

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	642	(257/E23.181).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/15 12:27
L1	1282	257/717	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/15 12:17
S1	1	("20060138621").PN.	US-PGPUB	OR	OFF	2007/10/15 12:03
S61	36	(substrate WITH embed\$3 WITH capacitor) AND (dielectric WITH first) AND (dielectric WITH second) AND ((open\$3 OR hole OR fill\$3) WITH dielectric) AND (dielectric WITH (paste OR screen)) AND titanate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/15 11:00
S60	1637	(257/92,82,100).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 10:57
S59	475	(reflect\$3 WITH concave) AND (LED OR "light emitting diode") AND ("257" OR "438").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 12:16
S58	40	("4247864"   "5298742"   "5350916"   "5565674").PN. OR ("5907151").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 12:15
S57	7	("20020057057"   "20030155624"   "5907151"   "6459130"   "6573580"   "6610563").PN. OR ("6900511").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 11:43
S55	9493	(257/431,432,433,706,712,713).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/11 11:28
S56	904	S55 AND (LED OR "light emitting diode")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/11 11:27
S54	8	("2003/0178627").URPN.	USPAT	OR	ON	2007/10/11 11:26

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S53	24	("4011575"   "4298869"   "4438347"   "4832433"   "5287372"   "5325384"   "5621225"   "5661645"   "5736881"   "5751159"   "5780321"   "5841648"   "5883737"   "5909458"   "5923692"   "5925897"   "5936599"   "5940683"   "6018602"   "6201822"   "6290334"   "6365429"   "6371637").PN. OR ("6862304"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 11:14
S52	10	("6412971").PN. OR ("6949772"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 11:13
S51	1	("20030178627").PN.	US-PGPUB	OR	OFF	2007/10/11 10:56
S50	4	("6340824").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 15:22
S49	65	"WO 02/33756" OR "EP 1 182 757" "EP 1 139 439" "EP 1 139 019" "JP 2002 270901" "JP 59 094361" "EP 1 174 930" "DE 102 46 892" 2/33756 OR "1182757" "1139439" "1139019" "2002270901" 2002-270901 "59094361" 59-094361 "1174930" "10246892"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 15:21
S48	1	("6862304").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/19 14:34
S46	1	("4966862").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/26 17:16
S44	1	("6204512").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/26 16:09
S41	141	(LED OR "light emitting diode" OR optoelectronic) SAME (matrix WITH Connected WITH series)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 17:54
S40	134	(LED OR "light emitting diode" OR optoelectronic) AND ((surface WITH (curv\$3 OR parabol\$3)) SAME (cavity WITH reflective))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 17:54

## EAST Search History

S39	6	(LED OR "light emitting diode" OR optoelectronic) AND ((surface WITH (curv\$3 OR parabol\$3)) SAME (cavity WITH reflective WITH (compound OR filling OR filler OR epoxy)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 17:31
S38	6	(LED OR "light emitting diode") AND ((surface WITH (curv\$3 OR parabol\$3)) SAME (cavity WITH reflective WITH (compound OR filling OR filler OR epoxy)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 17:30
S37	6	(LED OR "light emitting diode") AND ((surface WITH curv\$3) SAME (cavity WITH reflective WITH (compound OR filling OR filler OR epoxy)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 17:30
S36	6	(LED OR "light emitting diode") AND ((surface WITH curv\$3) SAME (cavity WITH reflective WITH (compound OR filling OR filler OR epoxy)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/03 17:27
S35	5	(LED OR "light emitting diode") AND ((surface WITH curved) SAME (cavity WITH reflective WITH (compound OR filling OR filler OR epoxy)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/03 17:27
S34	0	(LED OR "light emitting diode").ab. AND ((surface WITH curved) SAME (cavity WITH reflective WITH (compound OR filling OR filler OR epoxy)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/03 17:20
S32	200	(LED OR "light emitting diode").ab. AND (reflector WITH curved)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/03 17:18
S33	29	S32 AND ("257" OR "438").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/03 17:08
S31	8	S30 AND (LED OR "light emitting diode")	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/03 17:05
S30	156	("silicon dioxide" OR "SiO.sub.2") WITH dielectric WITH (PTH OR "plated through hole" OR via) WITH silicon WITH substrate	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/03 16:42
S29	1095	("silicon dioxide" OR "SiO.sub.2") WITH dielectric WITH (PTH OR "plated through hole" OR via)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/03 16:41

## EAST Search History

S28	13	("4163953"   "4881237"   "5734225"   "5905275"   "6019195"   "6045240").PN. OR ("6346771").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/03 16:39
S27	995	S26 NOT S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 15:44
S26	1194	(heatsink OR "heat sink") AND (LED OR "light emitting diode") AND (power WITH (3W OR "3 W" "3 Watts" OR "4 W" OR "4 Watts" OR "5 W" OR "5 Watts" OR watt))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 15:44
S22	199	(heatsink OR "heat sink") AND (LED OR "light emitting diode") AND (power WITH (3W OR "3 W" "3 Watts" OR "4 W" OR "4 Watts" OR "5 W" OR "5 Watts"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 15:43
S25	4	S23 AND (power OR heat OR thermal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 15:38
S24	0	S23 AND Watt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 15:37
S23	8	("5959316" "6608332" "6614179" "6642652").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 15:37
S21	89	(heatsink OR "heat sink") AND (LED OR "light emitting diode") AND (power WITH (3W OR "3 W" OR "4 W" OR "5 W" OR "6W"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 15:24

## EAST Search History

S19	3	("6614179").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/03 14:04
S18	6	"143905".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 14:02
S16	0	("2001030866").PN.	US-PGPUB	OR	OFF	2006/09/03 12:29
S15	0	("2002134988").PN.	US-PGPUB	OR	OFF	2006/09/03 12:28
S14	2	("2002134988").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/03 12:28
S12	5491	(257/79,82,99,100).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/03 12:24
S11	3	S10 AND (TIO\$1sub\$2 OR titanium OR epoxy OR Watt OR Watts OR "0.5W" OR "1W" OR "0.5Watts" OR "1Watt" OR "3W" OR "3Watts" OR area)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/03 12:24
S10	3	((("6345903") or ("20010042865") or ("6614179"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/03 11:50
S9	284	S4 AND (heatsink OR heat-sink OR "heat dissating member" OR "heat sink") AND insulat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/02 22:16
S8	9	("6045240"   "6133589").PN. OR ("6498355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/02 22:13
S7	131	S5 AND (optoelectronic OR LED OR "light emitting" OR "laserdiode") AND (heatsink OR heat-sink OR "heat transfer" OR thermal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 22:01

## EAST Search History

S5	2213	(257/706,707).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 22:00
S4	5491	(257/79,82,99,100).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 21:59
S3	13	((("2003178627") or ("2003165172") or ("2001030866") or ("6428189") or ("2002134988") or ("6498355")). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 21:57